

MINNEAPOLIS – THE ROAD TO ONE-SORT



Kellie Kish, Recycling Coordinator
Solid Waste and Recycling Division
Minneapolis Department of Public Works



ISSUES WITH MULTI-SORT



- Multi-sort bins and trucks
- Residents must use paper bags to contain items
- Complex sorting required resulted in limited volumes collected
- One person crew with difficult to reach sorting compartments
- Stagnant recycling rate for many years



RESEARCH



- Pilots – One Sort and Dual Sort
- SEH and RRS – Consultants
- Study and comparison to cities of similar size
- Began in 2011 and was presented to City Council on May 15, 2012



ANTICIPATED OUTCOME



WHAT CAN MINNEAPOLIS EXPECT

Variable	New Minneapolis Recycling Program
Collections	Increase citywide recycling weight by minimum 30% to 60%
Average Commodity Prices	Similar to current program commodity prices (Market Based)
Processing Costs	Estimate \$60 to \$80 per ton.
Residual Rates	2.5% to 4%
Avoided Tipping Fees	Saves the city \$47/ton
Operational Costs	Single Sort Most Efficient. Operational Impact Needs Market Verification though Request for Proposal (RFP) Bid Information.



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TRANSITION TO ONE-SORT



- Council Authorization
- Project Coordinator
- Truck Purchase, Trailer Retrofit
- Cart Selection and Distribution Plan
- RFP & Contract for Recycling Processing
- Detailed Communications Plan
- Current Collection Contract Amendment



BINS TO CARTS



TRUCK SELECTION



- Dual Lift Rear Loader
- Two Employees
- Route Efficiency
- Fleet Consistency




CREW SAFETY




RESIDENT EDUCATION



Notice Letter


Minneapolis
 City of Lakes
 Department of
 Public Works
 Steven A. Kuba, P.E.
 City Engineer
 Director
 350 South 5th Street - Room 203
 Minneapolis MN 55415
 Office: 612-673-3000
 Fax: 612-673-2965
 TTY: 612-673-2157

Minneapolis Recycles 

Dear Minneapolis Recycling Customer:

The City of Minneapolis is changing its recycling collection from multi-sort recycling to one-sort recycling. Your household will receive a new 95 gallon blue recycling cart next week at no cost to you. Start using it for your recycling right away. No more sorting or paper bags are required. Just place all your recyclables together in your new blue cart. Then make sure the cart is to the curb or alley before 6 a.m. on your recycling day. If you do not recycle yet, now is the easiest time to start. Our goal is to collect less trash and more recycling by making it easier for you to recycle.

Once you get your new blue cart, stop using your old blue or green recycling bin. You are encouraged to keep and re-purpose your old bin (for instance, storage or carrying your recycling from your home to the cart). If you no longer want your bin, we'll be happy to recycle it. Just leave it empty at the curb or alley and our crews will collect it on your recycling day.


Please do not place trash, organics, yard waste, plastic bags or other non-recyclables into your new cart. To learn more about recycling, read your enclosed 2013-2014 recycling guide and fridge magnet.

For additional information about one-sort recycling collection, visit www.minneapolismn.gov/onesort.


If you have any questions about Solid Waste and Recycling, please call our customer service line Monday-Friday from 8:00 a.m. to 4:30 p.m. at 612-673-2917.

Thank you for recycling.

Sincerely,


 David Herberholz, Director
 Solid Waste and Recycling Division
 Minneapolis Public Works Department

If you need this material in an alternative format please call (612) 673-3000 or email 311@minneapolismn.gov. Deaf and hard-of-hearing persons may use a relay service to call 311 agents at (612) 673-3000. TTY users may call (612) 673-2157 or (612) 673-2626. Hmong - Ceeb toom. Yog koj xav tau kev pab teebais cov xov no rau koj dawb, hu (612) 673-2800; Spanish - Atención. Si desea recibir asistencia gratuita para traducir esta información, llame (612) 673-2700; Somali - Ogow. Haddii aad dooneysa in laaga kaimeeyo tarjammada maadumadani oo la'ag la' san wac (612) 673-3000.


 311
 City Information and Services
 www.minneapolismn.gov
 Alternative Action Employer

Magnet

Recycling Guide 

Paper

- Mail, office and school papers
- Magazines and catalogs
- Newspapers and inserts
- Phone books
- Shredded paper in closed paper bags

Boxes:

- Cardboard
- Cereal and cracker boxes
- Shoe boxes, gift boxes and electronics boxes
- Toothpaste, medication and other toiletry boxes

Cartons

- Milk cartons
- Juice boxes
- Soup, broth and wine cartons

Glass

- Food and beverage bottles and jars

Plastic

Bottles & jugs:

- Water, soda and juice bottles
- Milk and juice jugs
- Ketchup and salad dressing bottles
- Dishwashing liquid bottles and detergent jugs
- Shampoo, soap and lotion bottles

Cups and containers:

- Yogurt, pudding and fruit cups
- Disposable cups and bowls
- Margarine, cottage cheese, and other containers
- Produce, deli and take out containers

Packaging:

- Clear packaging from toys and electronics

Metal

- Food and beverage cans

Don't recycle: Styrofoam™, plastic wrap, microwaveable food trays, paper soiled with food, paper plates and towels, drinking glasses, dishes, mirrors and containers that held hazardous products.


 Hennepin
 County of Lakes
 City of Minneapolis
www.minneapolismn.gov/onesort
 612-673-2917

Brochure

No sorting!

Recycling has never been easier



One-Sort Recycling Program




FREQUENTLY ASKED QUESTIONS



Q: What can I recycle in my one-sort cart?

Separate these items from your trash and place them in your new blue recycling cart. No sorting or paper bags required. Follow these guidelines:

Paper

Recycle

- Mail, office and school papers
- Magazines and catalogs
- Newspaper and inserts
- Phone books
- Shredded paper in closed paper bags

Boxes:

- Cardboard
- Cereal and cracker boxes
- Refrigerated food boxes
- Shoe boxes, gift boxes, and electronics boxes
- Toothpaste, medication and other toiletries boxes

Cartons

Recycle

Rinse.

- Milk cartons
- Juice boxes
- Soup, broth and wine cartons.

Plastics

Recycle

Rinse.

All plastic bottles, jugs and containers numbered 1 through 7.

Bottles and jugs:

- Water, soda and juice bottles
- Milk and juice jugs
- Ketchup and salad dressing bottles
- Dishwashing liquid bottles and detergent jugs
- Shampoo, soap and lotion bottles

Cups and containers:

- Yogurt, pudding and fruit cups
- Disposable cups and bowls
- Margarine, cottage cheese, and other containers

Packaging:

- Clear packaging from toys and electronics

NO: Plastic bags, Styrofoam™, motor oil bottles or other bottles that held hazardous substances

Metal

Recycle

- Food and beverage cans
- Aluminum foil and trays

NO: Paint cans, aerosol cans, containers that held hazardous products, such as paint thinner and automotive fluids

Glass

Recycle

Rinse. Remove and throw away caps and lids.

- Bottles and jars

NO: Broken glass, window glass

Batteries

Recycle

Tape the positive (+) terminal of lithium ion batteries to prevent fires. Place in clear plastic bag and place on top of your recycling cart

NO: Automotive batteries

CART ROLL-OUT



Fall 2012:

- 31,332 carts delivered

Spring 2013:

- 7 weeks
- 67,259 carts delivered
- Delivery delayed a couple days due to heavy snow in April
- Completed June 13th, 2013



Customers were allowed to request a smaller 64-gallon cart following the roll-out completion.



CART DISTRIBUTION



City-Wide	# of Carts	%
94 gallon carts	95,550	99.3%
64 gallon carts	680	.7%

94-gallon and 64-gallon carts have same footprint.

Through the educational tagging system Minneapolis uses, residents carts are removed if they are full of garbage, yard waste, or other non-recyclable items more than 3 times.

Residents whose carts have been removed have the option to get their cart back after its been confirmed that they are placing clean recyclables out on their collection day.

Less than 1% of total residents have had their carts removed.





INCREASE IN RECYCLING TONNAGE

The first full month of city-wide one-sort resulted in a **57.75% increase** in the volume of recyclables collected. The **894 additional tons of recycling** collected compared to the same time period in 2012 brought the City's recycling rate from 16.4% under the multi-sort system to **24.4%** with the one-sort system.

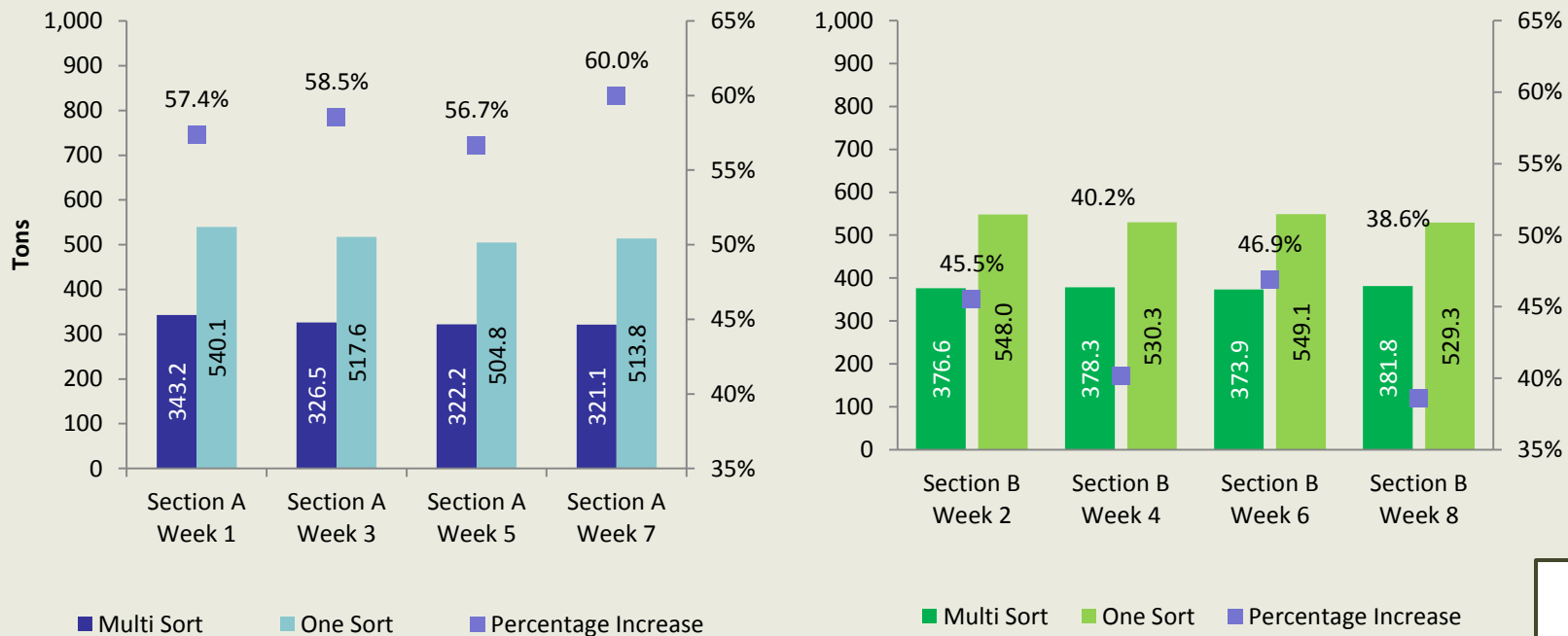
The City is on track to double its recyclables collected from 18,000 tons to 36,000 tons per year by 2015.



RECYCLING VOLUMES: MULTI-SORT VERSUS ONE-SORT



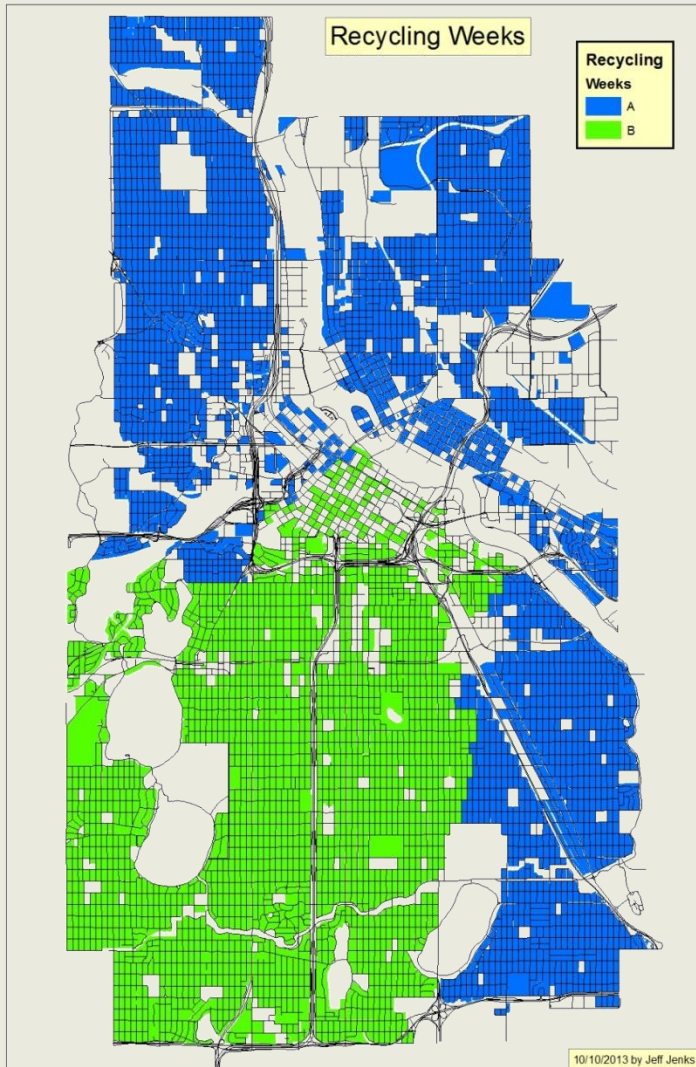
Recycling Week A versus Recycling Week B



July 2010 – August 2010 = average multi-sort weight
 July 2013 – August 2013 = average one-sort weight



DIFFERENCE IN INCREASE BY COLLECTION WEEK



The difference in average percent increase in recyclables collected could be due to many factors.

One possibility is that residents in Section B may have been fully participating in the multi-sort recycling program whereas the bundling and sorting requirements may have deterred participation by some residents in Section A.



CONTAMINATION



- Garbage
- Plastic Bags
- Non-Recyclable Paper
 - Food-soiled
 - Wet strength (freezer boxes)
- Sharps
 - Needles and Syringes
- Yard Waste

Contamination Rate: 3%
WM MRF Contamination Rate: 6.5%

Plastic bag

Shredded paper
in plastic bag



RECOMMENDATION TO ADDRESS CONTAMINATION ISSUES



Include examples of what cannot go in recycling right away. Insert below has been added to all recycling guides that are mailed out.

Do NOT place in Recycling Cart:

NO PLASTIC BAGS NO STYROFOAM™ NO SYRINGES NO GARBAGE

Four illustrations of items that are not accepted in recycling carts, each with a red prohibition sign (a circle with a diagonal line) over it. From left to right: a blue plastic bag, a white styrofoam cup and a white styrofoam egg carton, a medical syringe, and a green trash can filled with garbage.

Minneapolis Recycles 

www.minneapolismn.gov/onesort



In **13 months**, Minneapolis went from initial Council Authorization to completing the one-sort recycling program roll-out to over 105,000 dwelling units.



RESIDENTS REACTION TO ONE-SORT (FROM SOCIAL MEDIA)

“Our amount of recycling has increased so much we had to have a second bin delivered to our house. Our garbage bin is getting jealous that there is nothing in it anymore.”

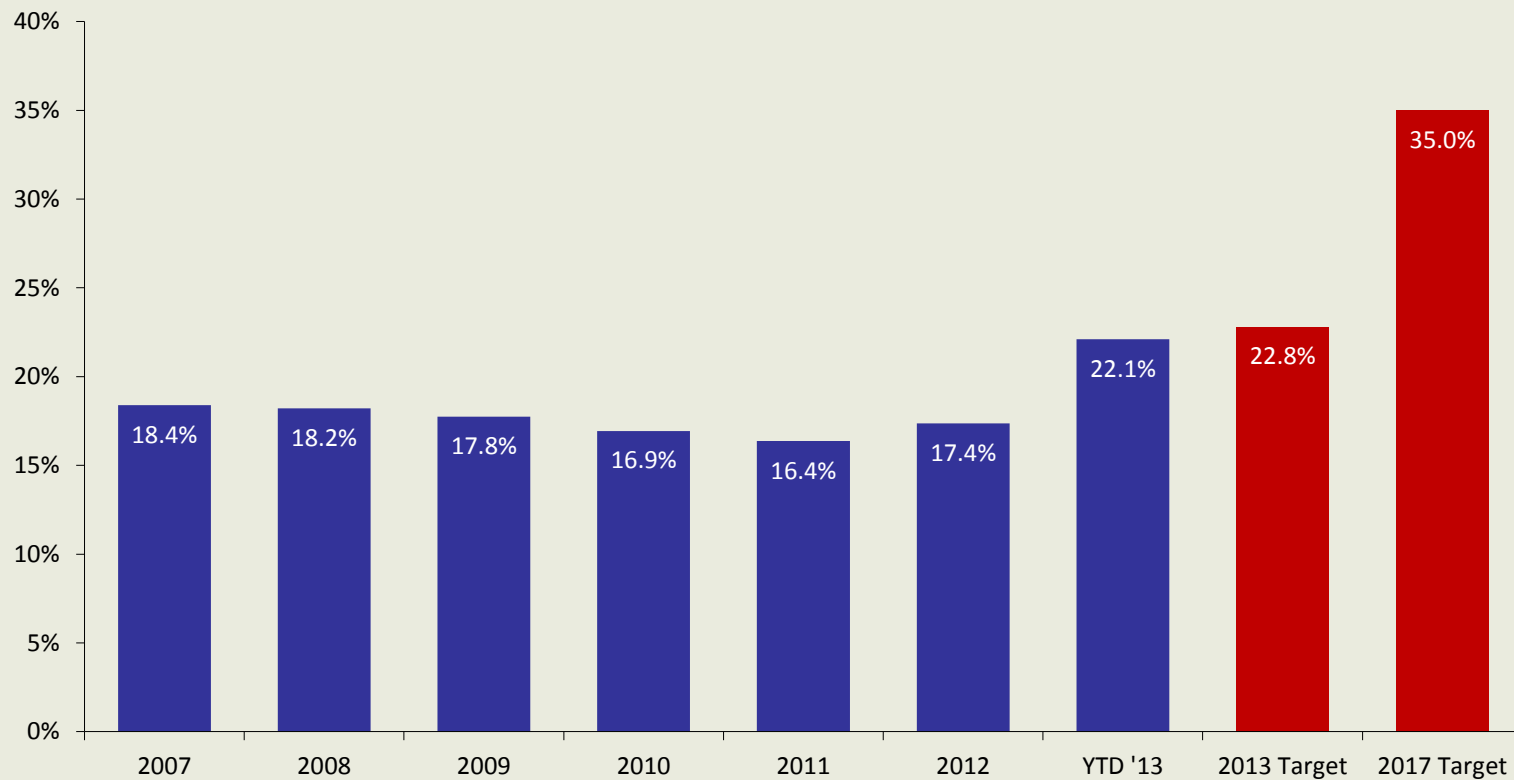
“I love one sort because im a lazy american! Whoo!”

“It's so easy...love it! Glad to be done with sorting into paper bags. No more asking for paper at the grocery store; I can just use my reusable bags.”

“Absolutely love it!! I swear I'm recycling at least twice as much as I used to - Thank you!”



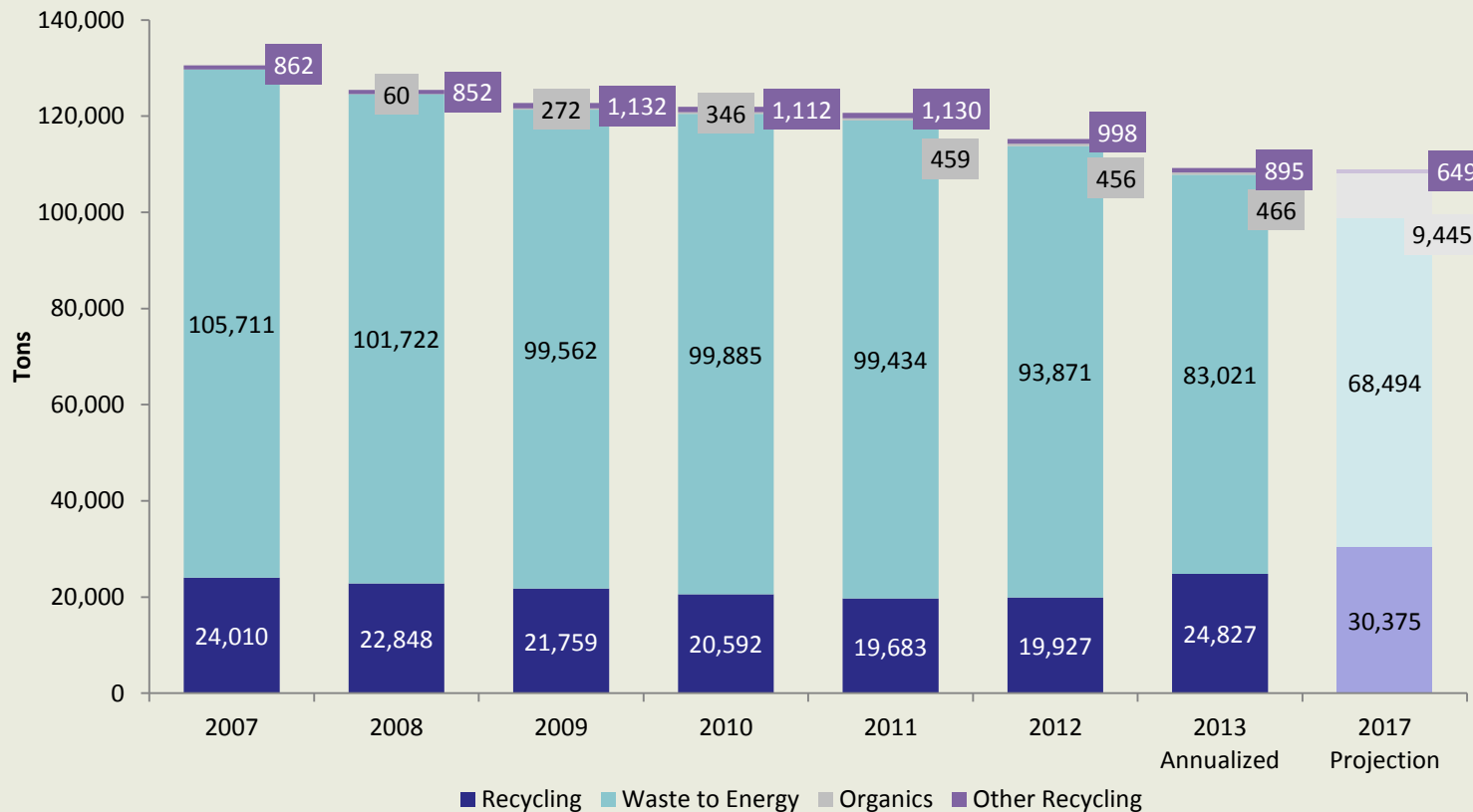
PERCENT OF WASTE RECYCLED BY WEIGHT



YTD is through end of August



COLLECTED TONS OF MAJOR SOLID WASTE CATEGORIES



Note: Most Solid Waste & Recycling services are reflective of services provided for only residential customers. That is for buildings with 4 or fewer dwelling units.

Source: Solid Waste Information System



HOW WILL WE MEET OUR 2017 GOAL? – EDUCATION!

 City of Minneapolis Government shared a link.
August 22 near Minneapolis · 📍

Way to go, Minneapolis! In the first full month of all residents having one-sort carts, 894 more tons of waste was recycled instead of thrown into the trash. Keep up the good work.

City collects 894 more tons of recycling in first full month of citywide one sort
www.minneapolismn.gov

Minneapolis residents have dramatically increased the amount they recycle, now that one-sort recycling has rolled out across the city. July, the City of Minneapolis' first full month of all residents having their one-

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👤 Michele McGaughey, Jennifer Harmering Thiede, Dana Fox and 180 others like this. Top Comments ·

Minneapolis Facebook Posts

**ONE-SORT RECYCLING PROGRAM
AND OTHER SOLID WASTE ISSUES
SUMMER FORUM**

SATURDAY, JUNE 22, 2013, 9:15 – 11:00 A.M.
LYNNHURST COMMUNITY CENTER

Minneapolis Recycles  

Community Events

PRESENTATION FOR 2013 RAM SWANA CONFERENCE

Minneapolis Recycles 



The city-wide one-sort recycling roll-out was completed on June 14th, 2013. With over 100,000 one-sort carts being used, the City hopes to double recyclables collected from 18,000 tons to 36,000 tons by 2015.

Plastic bags and Styrofoam™ are frequently being placed in recycling carts. These items are NOT accepted in the one-sort program. Plastic bags may be brought to a participating grocery store for recycling or placed in the garbage. Styrofoam™ should be placed in the garbage.

Fun Fact: Recycling a 1-foot tall stack of paper saves enough energy for you to take a hot shower daily for a week. About 20% of Minnesotan's household garbage is recyclable paper. Search your house for more paper products that you could be recycling today!

If you have any questions regarding your solid waste and recycling services, please visit www.minneapolismn.gov/onesort or call Solid Waste & Recycling at (612) 673-2917.

Neighborhood Newsletters

City Recycling Reminder emails and MORE!!!

TAKE ALLEY ACTION

Shape up, Minneapolis! We've made a lot of "best" lists in our days, but rarely are we on the receiving end of praise for our recycling habits. (Go ahead and judge, St. Paul, you're allowed.) But that's all changing, thanks largely to Minneapolis's one-sort receptacle that allows all recyclables to go into one container. Gone are the days of separating paper from plastic and cartons from cardboard. This blue cart takes it all, making recycling easier and more accessible—the time for excuses is over.

CONTAINER BREAKDOWN

1 If you're a creature of habit and want to continue sorting your materials in brown bags, have at it. Just be sure not to use plastic bags, as they get tangled in the machine gears, causing a whole lotta trash troubles.

2 Households come in different sizes and so do the carts. Both 66- and 98-gallon carts are available.



3 Following in Minneapolis's footsteps is the city of St. Louis Park—the western neighbor is the most recent suburb to switch to a similar single-sort recycling program. Mayor Chris Coleman says St. Paul plans to follow suit in 2014.

4 While you're in the process of shaping up your act, why not pretty up your alley, too? In honor of Breast Cancer Awareness Month, make the permanent switch from your dolly green trash barrel to a new and shiny Pink Cart, which benefits the American Cancer Society's breast cancer awareness program. Chills are you won't be the only one in the neighborhood to turn your curb into a cause. There are more than 80,000 pink carts on curbs across North America, and nearly 800,000 have been raised thus far. To learn more go to pinkcart.com.

MSP Magazine October 2012



NOVEMBER 20, 2013

HOW WILL WE MEET OUR 2017 GOAL? (CONTINUED)

Add items to acceptable list

- Already added Cardboard Can in July 2013.



Increased Product Stewardship (PS)/Extended Producer Responsibility (EPR) to design products for end of life disposal (recycling).

- Mattresses
- Plastics & Packaging
- Batteries
- Carpeting

Implement City-wide organics collection – when and method? - TBD



Minneapolis Recycles



QUESTIONS?

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